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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/823,715	03/30/2001	Jerome L. Elkind	TI-29069	7467	
759	90 05/19/2003		•		
Mark Courtney of Texas Instruments Incorporated P.O. Box 655474 MS 3999			EXAMINER		
			VANORE, DAVID A		
Dallas, TX 752	265		ART UNIT	PAPER NUMBER	
			2881		
			DATE MAILED: 05/19/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)	N/				
Office Action Summary		09/823,715		ELKIND ET AL.	v				
		Examiner		Art Unit					
14		David A Vanore		2881					
	- The MAILING DATE of this communication		sh t with th	corr spondenc add	ir ss				
Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status									
1) 🖂	Responsive to communication(s) filed on 5	30 April 2003 .							
2a)⊠	•	This action is non-fi	nal.						
3)	Zujego into detective the second section as to the merits is								
•	on of Claims								
4) Claim(s) is/are pending in the application.									
	4a) Of the above claim(s) 1-7 is/are withdrawn from consideration.								
•									
•	Claim(s) <u>8-20</u> is/are rejected.								
	Claim(s) is/are objected to.								
	Claim(s) L20 are subject to restriction ar	nd/or election require	ernent.						
	ion Papers The appelliantion is objected to by the Exam	niner							
	The specification is objected to by the Exan The drawing(s) filed on <u>30 <i>March 2001</i></u> is/ar) ohierted to h	ov the Examiner					
10)[X]	Applicant may not request that any objection to								
11\[\]					er.				
11) The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.									
12)	The oath or declaration is objected to by the								
·	under 35 U.S.C. §§ 119 and 120								
_	13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
İ	a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
1	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 									
Attachme			-						
2) Noti	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-940 rmation Disclosure Statement(s) (PTO-1449) Paper No	4) [8) 5) [o(s) 6) [Interview Summ Notice of Information Other:	ary (PTO-413) Paper No al Patent Application (P	o(s) TO-152)				
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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 8-20 stand rejected under 35 U.S.C. 102(b) as being clearly anticipated by Morozov et al.

Morozov et al. teaches a device and method for surface plasmon analysis where an analyte and ligand, which are competitors for binding sites are introduced into a device where an electrical or magnetic field is applied to cause particles to experience a bias, comprising the following with regards to claims 8-16:

- 1) Surface plasmon resonance microscope (Col. 26 Lines 5-13) which inherently includes a surface plasmon sensor and a surface plasmon resonance layer in optical communication with the an exterior surface of the sensor. This is inherent because if the layer were not in optical communication with the external surface of the sensor, light would not be able to impinge on the plasmon layer and no detection could take place. See US Patent 5,485,277 (Foster) Fig. 2a and Col. 5 Line 10-27.
- 2) A transparent housing and source of electromagnetic radiation (Col. 16 Line 65-Col. 17 Line 11).
- 3) A photodetector (520) and associated light source (518) for detecting changes in a sample (Col. 13 Line 64 Col. 14 line 19).

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4) An analyte detection chamber (Fig. 31) where electrical and magnetic fields are generated to cause bias forces in an analyte substance (Col. 14 Lines 20-58).

5) A flow cell having flow path for use in a surface plasmon resonance sensor (Fig. 8). As discussed above, the method and apparatus for bound analyte/ligand analysis as taught by Morozov et al. is taught to be usable in surface plasmon microscopy.

Regarding claims 17 and 18, the device of Morozov et al. teaches the method of claims 15 and 16 as recited above. Since the apparatus of Morozov et al. includes a sample delivery and sensing means as cited above, in the form of the surface plasmon resonance microscopy means and the flow cell, claims 17 and 18 are anticipated by Morozov et al.

Regarding claims 19 and 20, Morozov et al. teaches a device and method which uses DNA-protein cross linked samples. DNA is nucleic acid and the binding between DNA and protein samples is competitive. Therefore, Morozov et al. anticipates claims 19 and 20.

Response to Arguments

Applicant's arguments filed April 30, 2003 have been fully considered but they are not persuasive. Applicant argues that Morozov et al. fails to teach or suggest any of the recited combinations of elements laid out in any of the claims.

Applicant's arguments do not comply with 37 CFR 1.111(c) because they do not clearly point out the patentable novelty which he or she thinks the claims present in view

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of the state of the art disclosed by the references cited or the objections made. Further, they do not show how the amendments avoid such references or objections.

The examiner further disagrees with the Applicant's assertion that Morozov et al. fails to teach or suggest any of the combinations of elements claimed. As such, all claims stand rejected and the rejection is made final.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A Vanore whose telephone number is 703-306-0246. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Lee can be reached on 703-308-4116. The fax phone numbers for

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the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

dav May 7, 2003

SUPERASORY PATENT EXAMINER